

Fig. 1
(Prior Art)

200

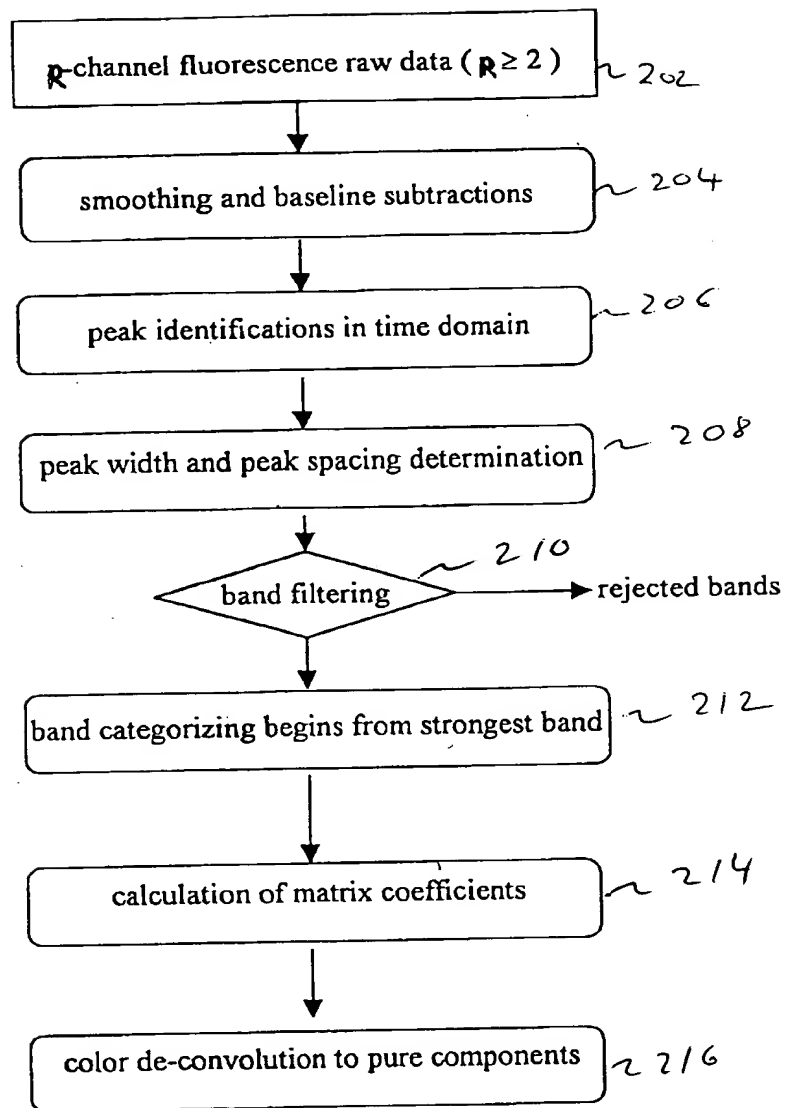


Fig. 2

0000T 000000

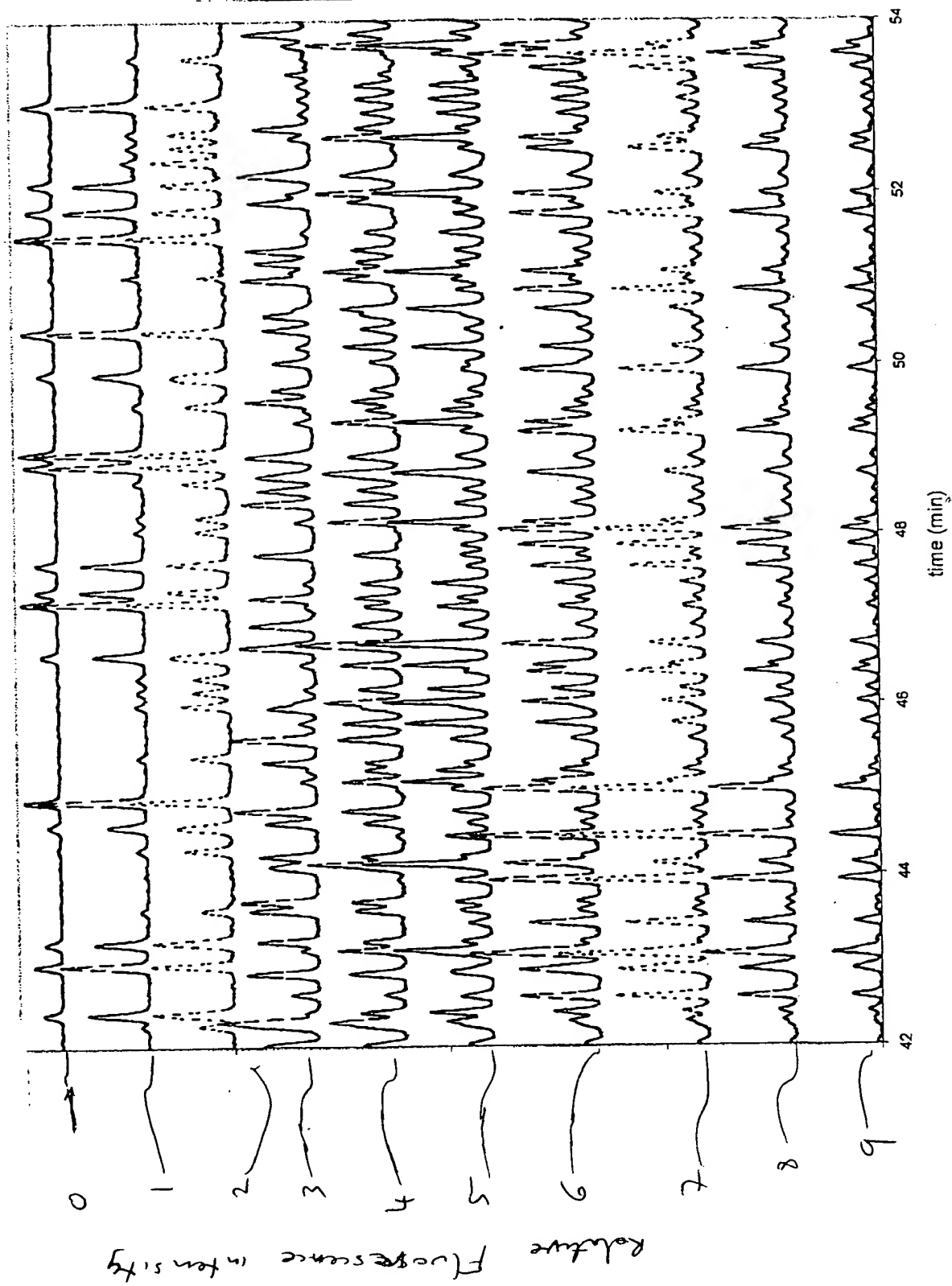


Fig. 3

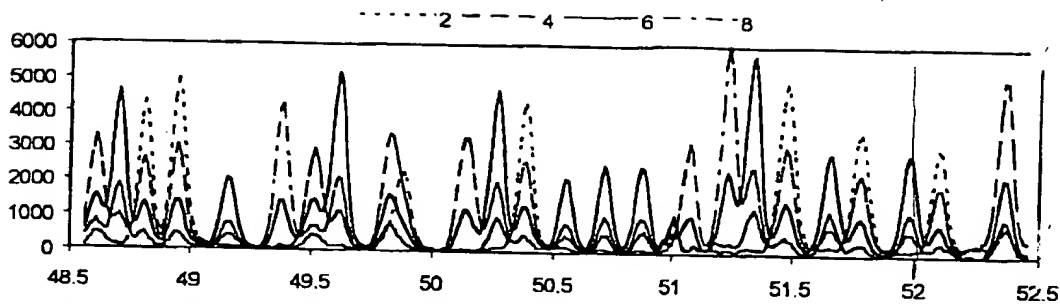


Fig. 4a

Fig. 4a close-up of the electropherograms of only four selected wavelength channel for simplicity.

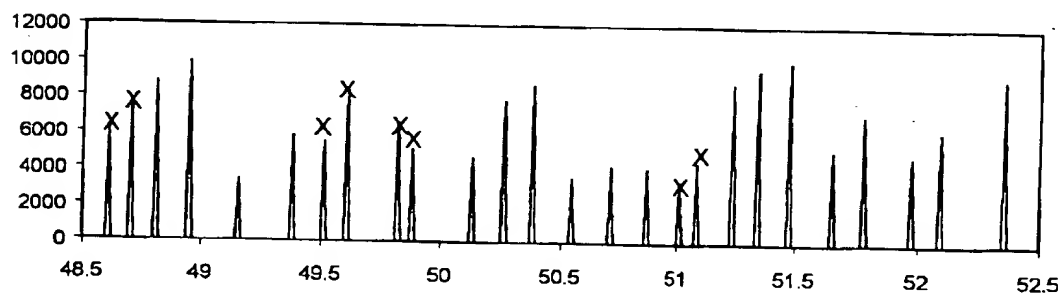


Fig. 4b

Fig. 4b rejected peak labeled with X based on the peak spacing calculation after these peaks in a local section have been processed.

0.1% in 10% methanol in water, pH 7.0, 100°C, 10 min.

1

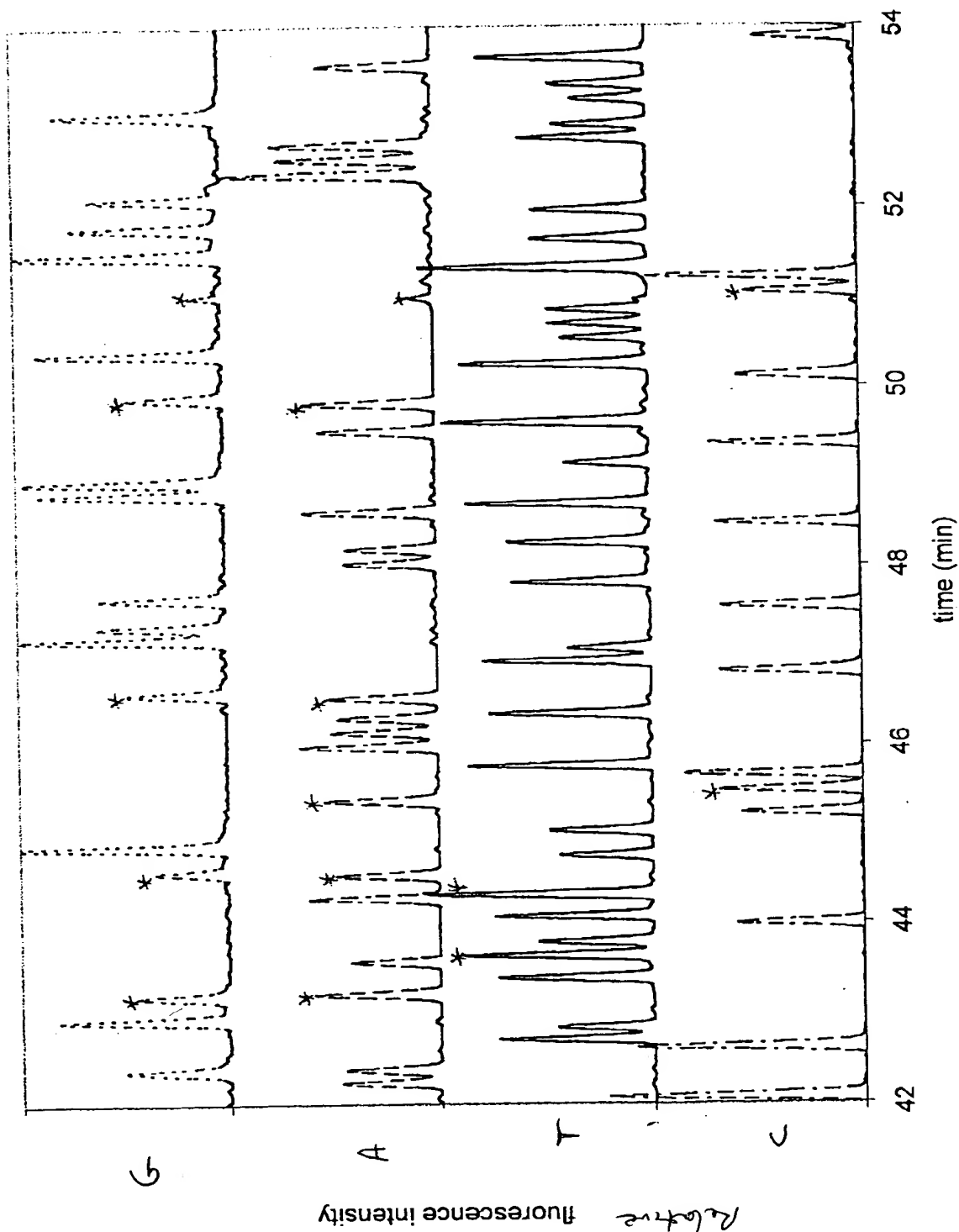


Fig. 5

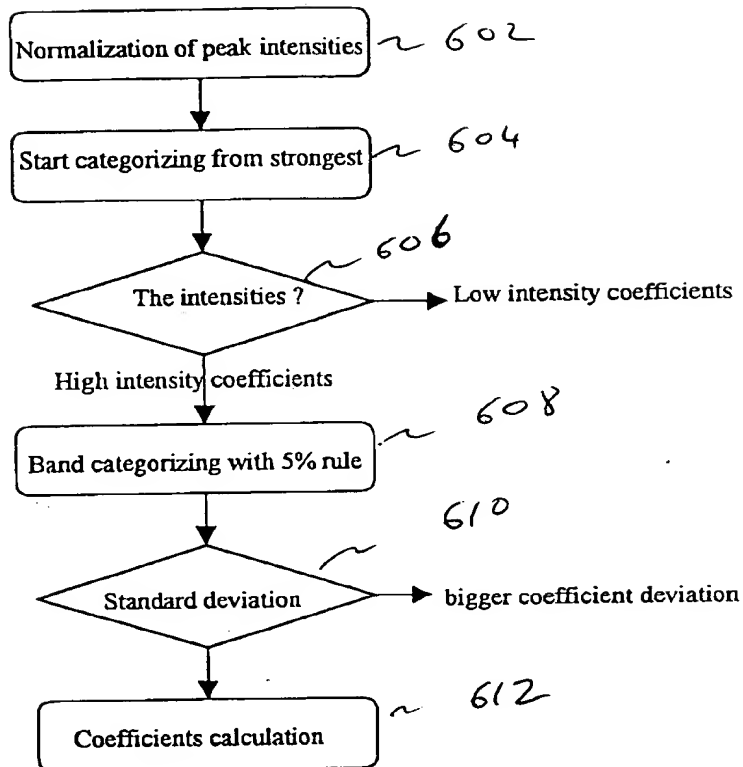


Fig. 6

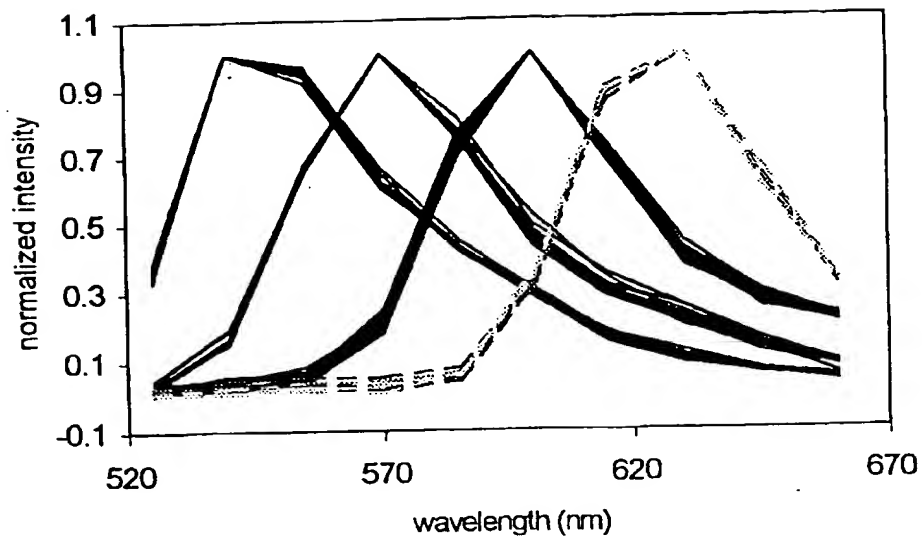


Fig 7a

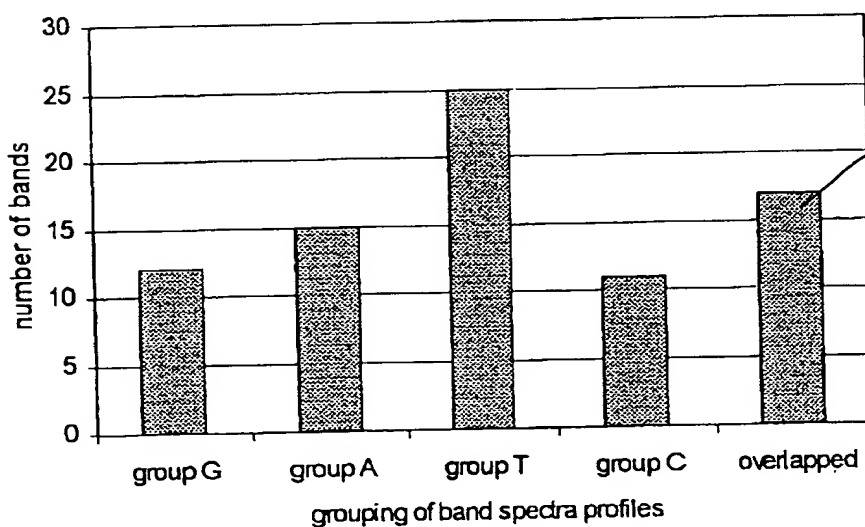


Fig. 7b

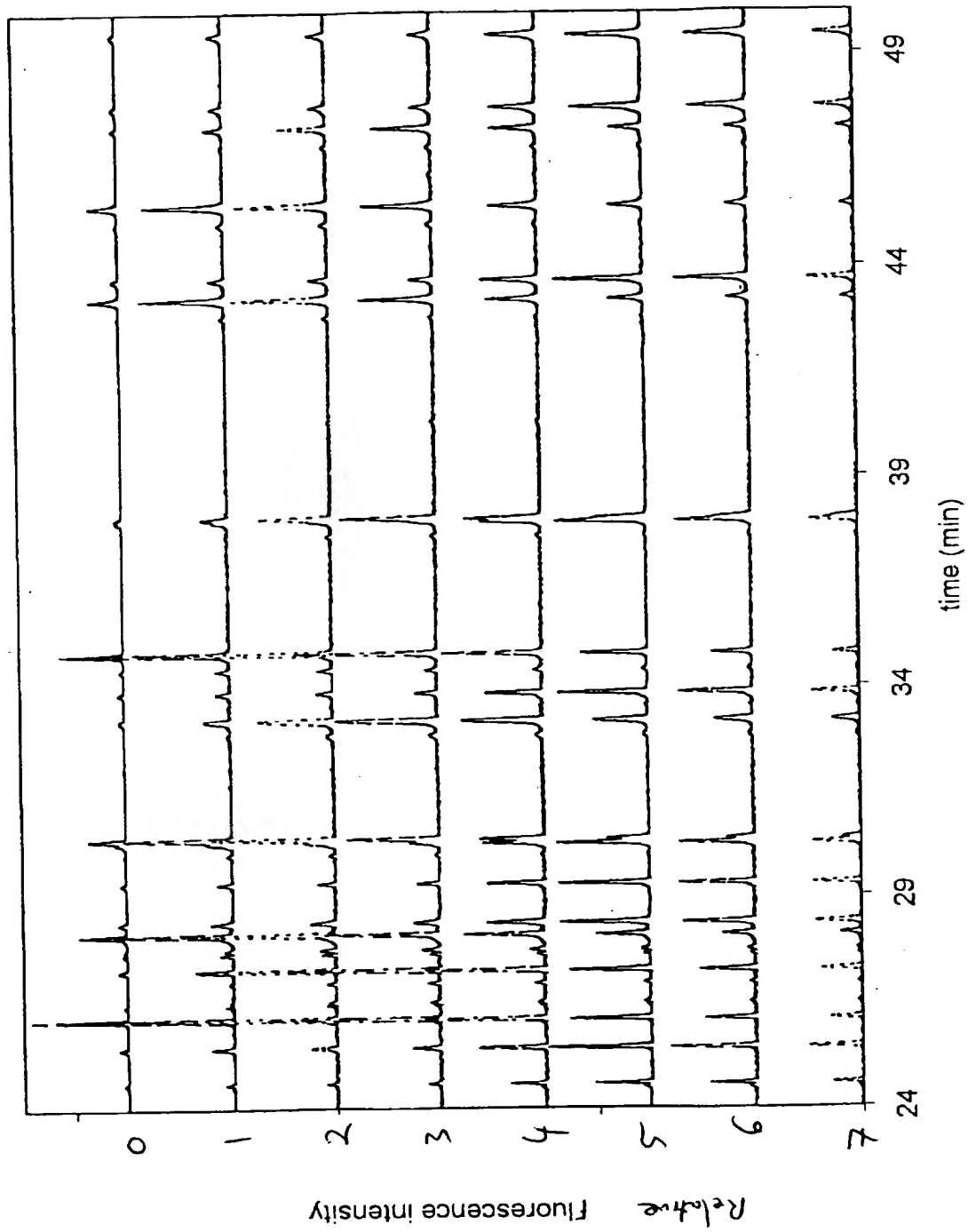
[illegible]

Fig. 8

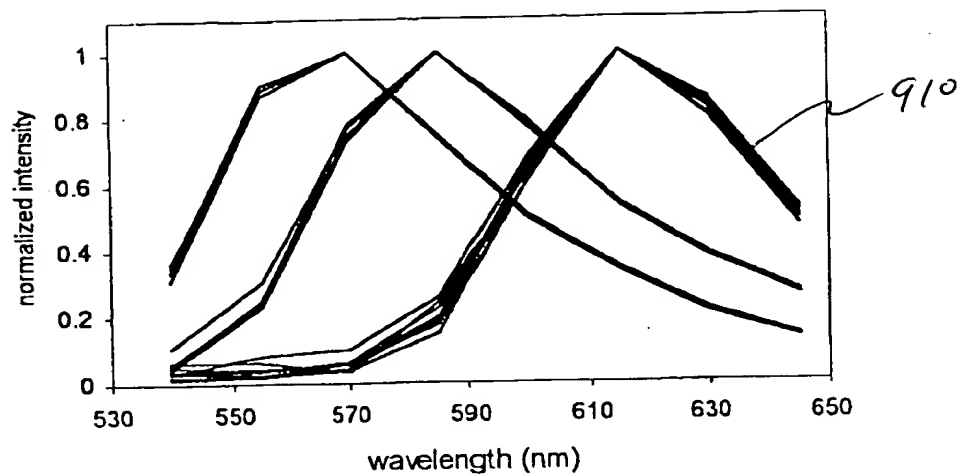


Figure 9a

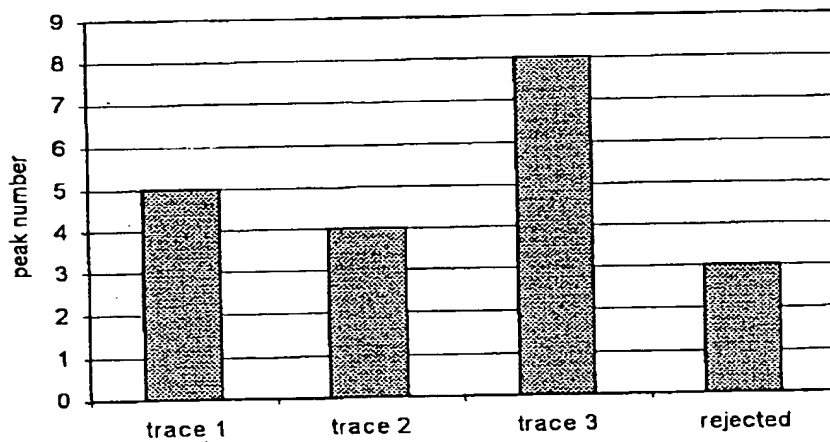


Figure 9b

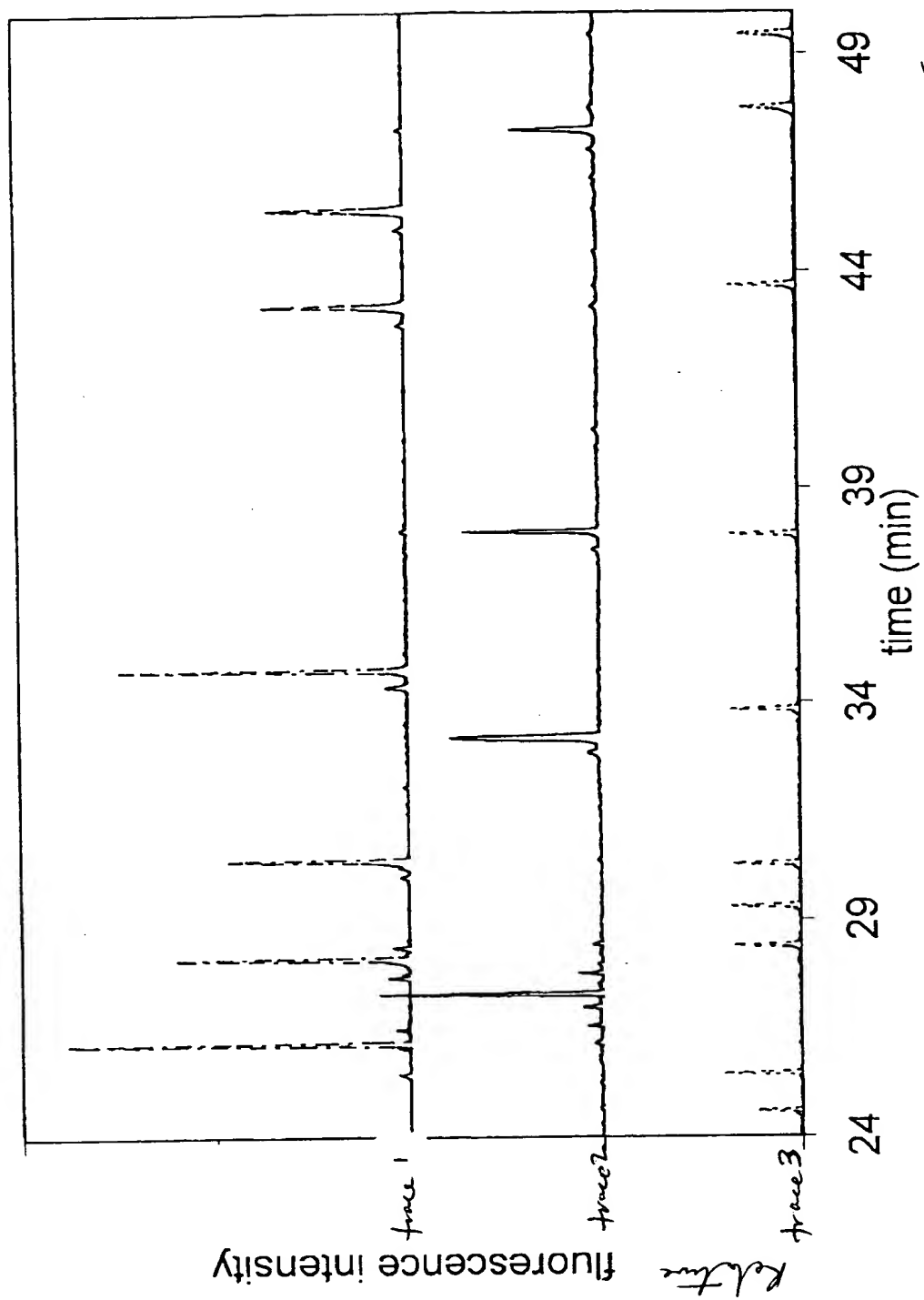


Fig. 10

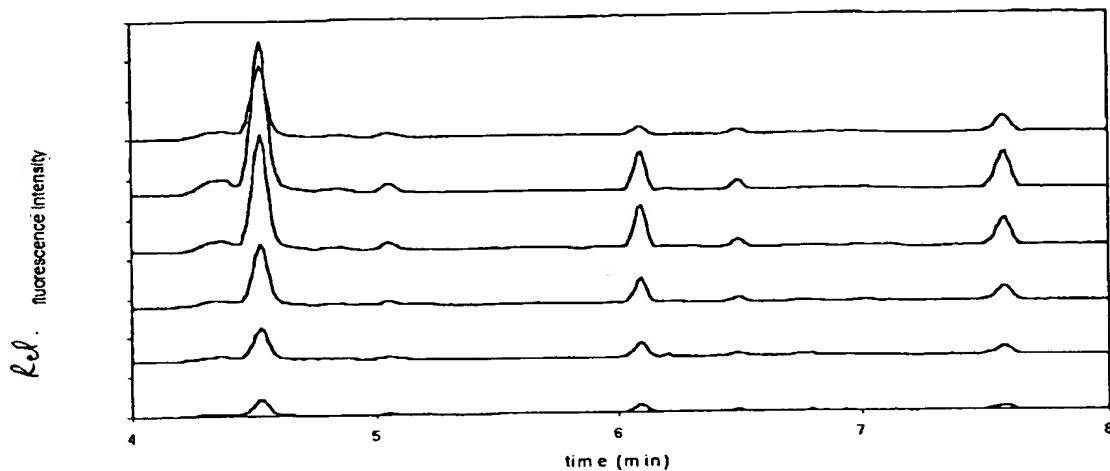


Fig. 11a

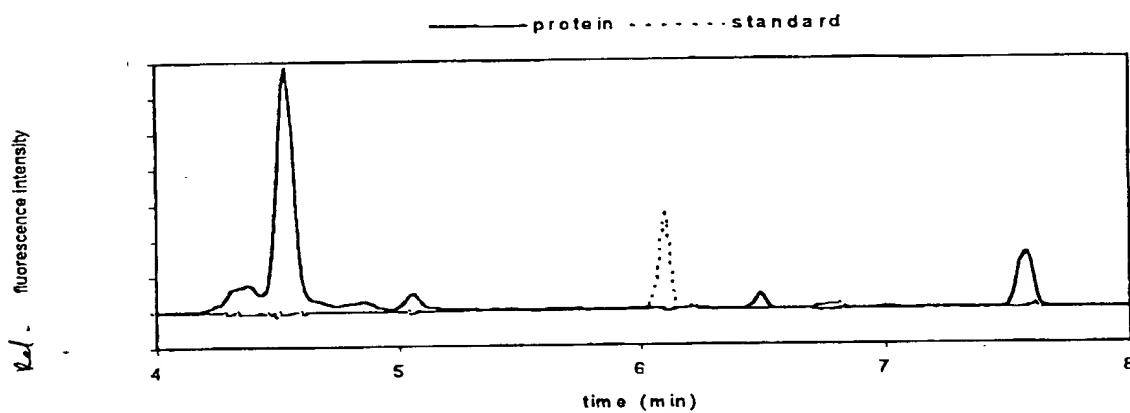


Fig. 11b

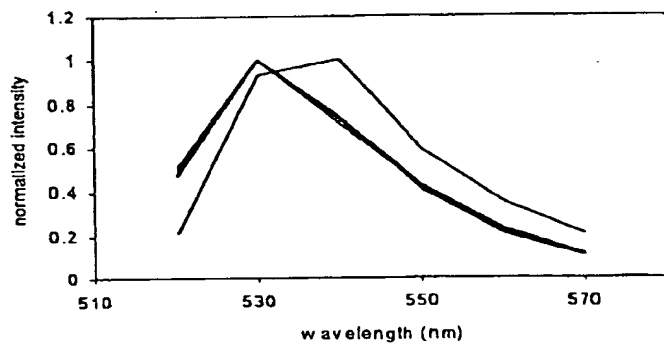


Fig. 11c

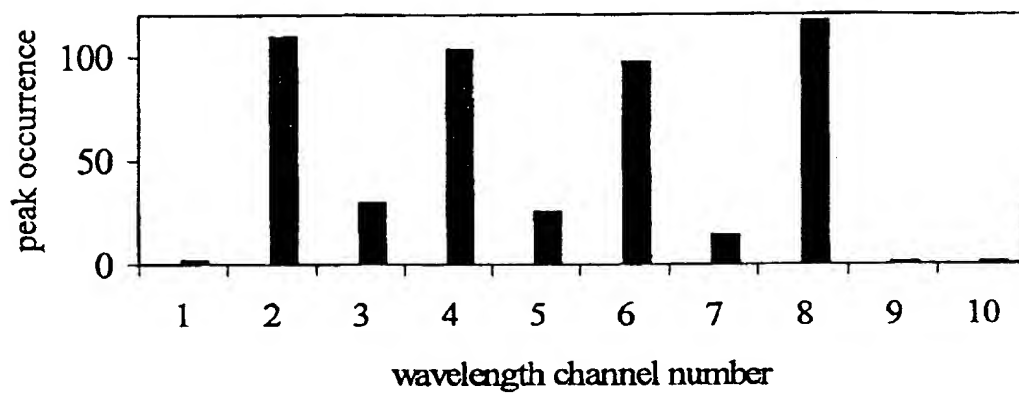


Fig. 12

G	A	T	C
.408	.037	.021	.016
.887	.205	.034	.021
.566	.122	.063	.023
.394	.1	.244	.021
.265	.721	.754	.067
.152	.428	.1	.359
.091	.287	.691	.925
.059	.202	.403	.1
.040	.120	.274	.604
	.069	.202	.316

FIG. 13A -- BigDye Terminator Set

G	A	T	C
.448	.079	.026	.021
.944	.379	.058	.021
.685	.847	.223	.035
.451	.1	.670	.067
.287	.806	.1	.274
.173	.551	.844	.765
.108	.373	.528	.1
.116	.249	.357	.784
.050	.162	.248	.480
	.099	.163	.300

FIG. 13B -- Rhodamine Terminator Dye Set

C	A	G	T
.877	.333	.291	.379
.840	.789	.358	.439
.617	.771	.515	.404
.418	.488	.849	.386
.279	.312	.802	.547
.205	.218	.557	.862
.151	.150	.399	.837
.102	.095	.284	.563
.068	.061	.191	.365

FIG. 13C – ET Primer Dye Set

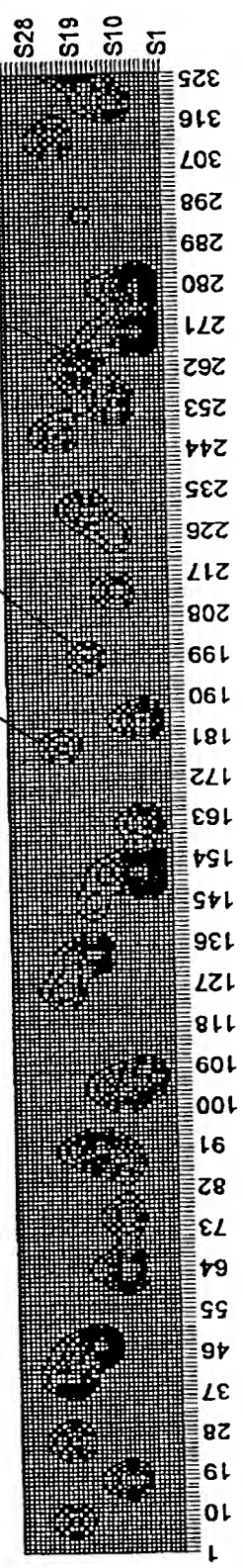
C	A	G	T
.317	.101	.084	.059
.516	.932	.142	.199
.211	.426	.625	.607
.107	.184	.263	.817
.048	.074	.122	.423
.025	.034	.049	.234
.137	.017	.024	.106
.000	.000	.000	.000
.000	.000	.000	.000

FIG. 13D -- Bodipy Primer Dye Set

□ 4000-7000 □ 7000-10000 □ 10000-13000 □ 13000-16000 □ 16000-19000 □ 19000-22000 □ 22000-25000 □ 25000-28000 □ 28000-31000

110 120 130
 C A C C T A A A T A G C T T G G C C G T A A T C A T G G T C A

700 700 720



Film (Frame) →

□ 4000-7000 □ 7000-10000 □ 10000-13000 □ 13000-16000 □ 16000-19000 □ 19000-22000 □ 22000-25000 □ 25000-28000 □ 28000-31000

Fig. 14

AT CCG C CA ACG C G C G G G AG AG CG GTT TG

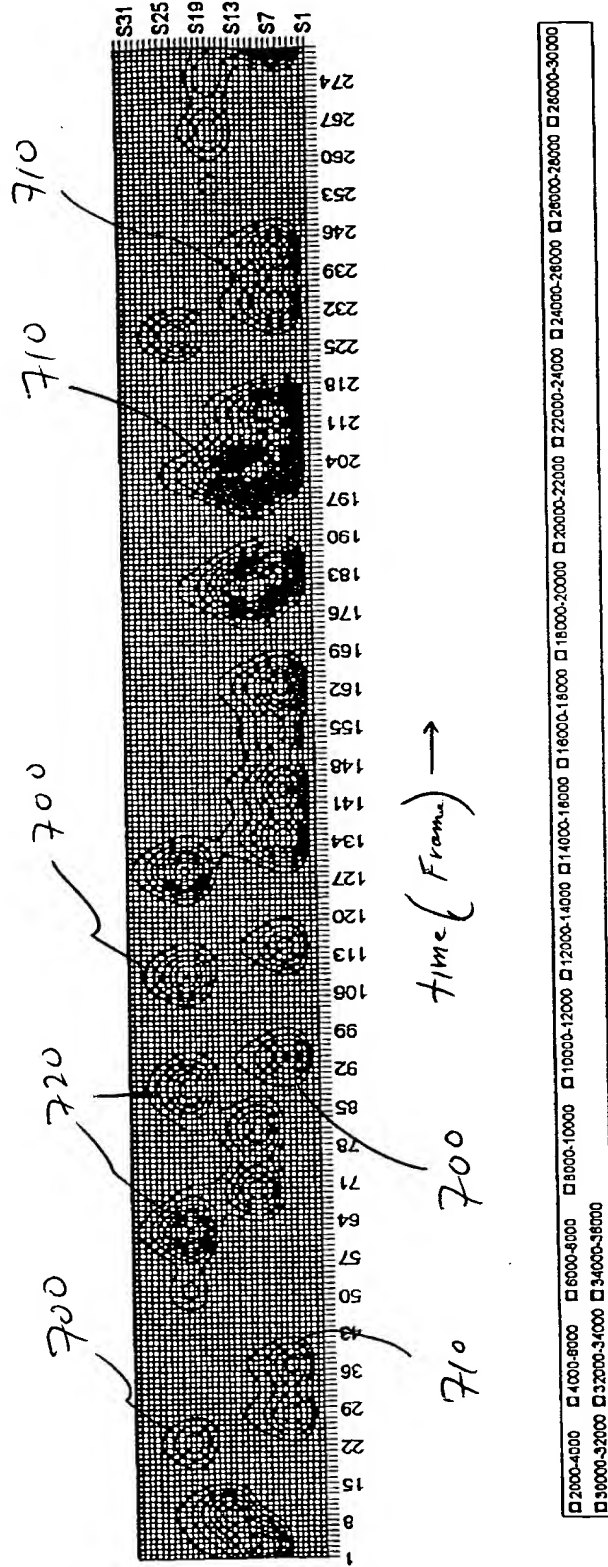


Fig. 15

550 560 570 580

CCTG ACG AG CAT C A C A A A A T C G A C G C T C A A G T C A G A G G T G G

1 8 15 22 29 36 43 50 57 64 71 78 85 92 99 106 113 120 127 134 141 148 155 162 169 176 183 190 197 204 211 218 225 232 239 246 253 260 267

S28 S22 S15 S8 S1

pixel

time (Frame) \rightarrow

☐ 1000-2200 ☐ 2200-3400 ☐ 3400-4600 ☐ 4600-5800 ☐ 5800-7000 ☐ 7000-8200 ☐ 8200-9400 ☐ 9400-10600
☐ 10600-11800 ☐ 11800-13000 ☐ 13000-14200 ☐ 14200-15400

Fig. 16

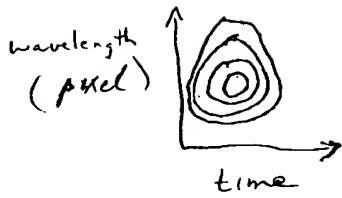


Fig. 17a

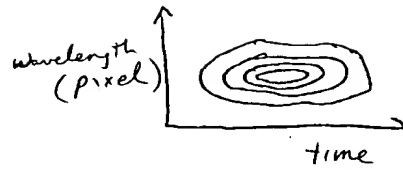


Fig. 17b

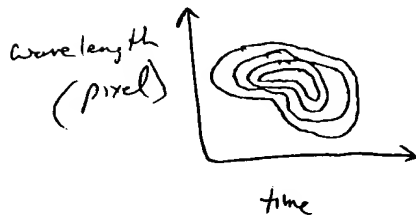
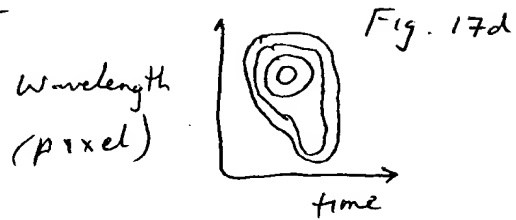
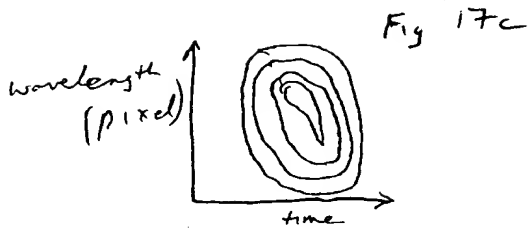


Fig. 17e

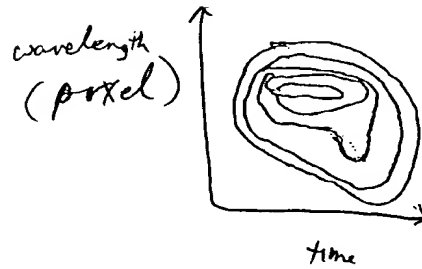


Fig. 17f

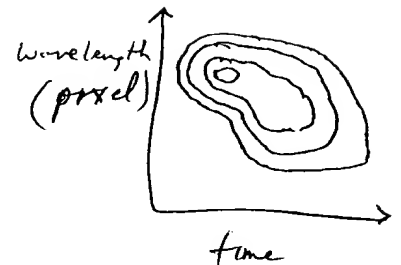


Fig. 17g

Fig. 17